Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/04/2016 10:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125139	0	2.06	125028	2.08
Blue	F	SSC	125000	123493	-2	3.94	123804	3.78
Blue	E	FITC	22946	22501	-2	2.59	1001	9.38
Blue	D	PE	28770	28464	-2	2.19	1021	8.62
Blue	B	PerCP-Cy5-5	51099	50524	-2	3.45	1445	15.30
Blue	A	PE-Cy7	42312	41676	-2	5.01	645	31.53
Red	C	APC	52169	51921	-1	2.81	2986	9.09
Red	A	APC-Cy7	56705	56137	-2	2.89	1165	10.56
Violet	B	V450	14708	14025	-5	4.04	672	8.72
Violet	A	V500	58608	57146	-3	3.79	2538	6.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19672	4.67	590	-8	N/A	N/A	Pass
Blue	F	SSC	61749	2.25	521	3	N/A	N/A	Pass
Blue	E	FITC	112	34.88	528	-3	0.0252	76	Pass
Blue	D	PE	224	25.29	524	-2	0.2119	225	Pass
Blue	B	PerCP-Cy5-5	229	39.20	618	-4	0.0126	55	Pass
Blue	A	PE-Cy7	71	104.33	665	-6	0.0152	13	Pass
Red	C	APC	352	26.65	587	-3	0.0226	98	Pass
Red	A	APC-Cy7	126	39.09	570	-6	0.0067	2023	Pass
Violet	B	V450	81	40.43	465	6	0.0506	1880	Pass
Violet	A	V500	183	22.60	495	7	0.0154	546	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.07	-30.73	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.01	13.27 - 19.91	N/A	N/A	31.36	31.54	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10992

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments